



TECHNICAL DATA SHEET

NOV 2025 Ver 01 - PALMG 25.11.25



MASTER-GRIP

FIBRE REINFORCED NON SLIP WALL TILE ADHESIVE

- Brilliant white
- Flexible
- Instant grab

DESCRIPTION

PALACE MASTER-GRIP is a ready mixed, brilliant white, non-slip, flexible ceramic wall tile adhesive. Provides excellent initial grab and water-resistant properties with all types of ceramic wall tile including translucent marble, mosaics and glass where its superb whiteness will not show through. **PALACE MASTER-GRIP** complies with EN 12004 Type D2TE and incorporates unique polymer technology which accelerates the early strength development of this adhesive, is suitable for use in dry and wet locations including heavy duty applications such as communal showers and commercial kitchen & worktops, but not where full immersion is likely. Ideal for use on a variety of backgrounds including plaster, tile backer boards, existing ceramic tiles and securely battened backer-boards where slight movement or vibration may be expected.

Conforms to EN 12004 Type D2TE

SURFACE PREPARATION

Recently plastered or rendered surfaces should be allowed at least 4-6 weeks to dry out before tiling can proceed. Ensure all surfaces are sound, dry and free from dust, grease and loose or weak surface coatings. Porous surfaces will require priming with **PALACE MULTI-PRIME** diluted 1:3 parts with water, whereas impermeable surfaces should be clean, dry and slightly scored to provide a key. Tile Backer Boards should be rigidly fixed and prepared in accordance with the Code of Practice for Ceramic Wall Tiling - BS 5385 part 1.

TECHNICAL DATA

UNIT SIZE	15kg
COLOUR	Brilliant white
COVERAGE	1.7kg per sq. metre
OPEN TIME	30 minutes
DRYING TIME	24 hours (porous walls)*
WATER RESISTANCE	For frequently wet areas
CLASSIFICATION	D2TE

** Dependent on temperature, substrate and site conditions*

PALACE MASTER-GRIP is suitable for all types of ceramic wall tiles with a surface area no larger than 900cm²

EN ISO 45001



OHS 596309

EN ISO 14001



EMS 85788

EN ISO 9001



FM 01010

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SURFACE PREPARATION (CONTINUED)

All boards must be level, showing no edge protrusions and be fixed in place with a 0.5 to 1mm gap to avoid expansion stresses between the boards and around the wall corners. When tiling over existing tiles ensure they are securely fixed in all areas. Thoroughly clean and dry tiled, or non-porous surfaces and slightly score out joints to provide a key. Tiles with a surface area of less than 0.1M² but which weigh more per square metre than 70% of the background's maximum shear load capacity (see Technical Summary table) should be 100% solidly bedded between wall & tile back.

APPLICATION

The adhesive should be applied to a maximum bed depth of no more than 3mm, using a 6mm notched trowel to form horizontal ribs on the wall surface before pressing the tiles in firmly with a slight twisting action to ensure good contact. On surfaces likely to be subject to regular wetting it is advisable to apply a thin skim of adhesive to the back of the tiles (back buttering) to fill any voids and to assist with gaining a solid bed of adhesive behind the tiles. Do not use the adhesive to fill out uneven areas when fixing, as this will lead to prolonged drying times. Porous surfaces will require priming with **PALACE MULTI-PRIME** diluted 1:3 parts with water, whereas impermeable surfaces should be clean, dry and slightly scored to provide a key.

COVERAGE

Depending upon surface conditions, a notched trowel application will cover at the rate of about 1.7kg per square metres, whereas solid bed fixing will require about 0.7 square metres coverage per 1.7kg of adhesive.

GROUTING

Apply a suitable Palace Grout using a grout float or squeegee and compact well into the joints, ensuring no gaps or voids remain open. Remove any excess grout from the tiled surface with a damp sponge and when the joint is set, polish the surface with a dry cloth to remove any dusty residue. Grout only in small areas to allow time for the excess material to be wiped clean from the tile face before it begins to dry.

PRECAUTIONS

A Ready mixed adhesive will normally take up to 14 days to develop full strength and should not be exposed to wetting during this time. On non-porous surfaces, grouting should be delayed by up to 7 days after fixing to allow adequate drying to proceed. On porous surfaces, grouting can be applied 24 hours after fixing. This adhesive is not suitable for floor use, exterior use or fully immersed areas.

STORAGE

Store in cool, dry, well-ventilated conditions, away from sources of heat, direct sunlight or exposure to frost. Always completely reseal the container after partial use.

WALL TILES SUBSTRATE LOAD LIMITS

Wall substrates should be strong enough to support the weight of the ceramic tile or natural stone to be installed & weight of the associated adhesive bed. Maximum weight restrictions for wall substrates:

Gypsum plaster	20kg/m ²
Gypsum plasterboard (12.5mm)	32kg/m ²
Cement / sand rendering & concrete	No limit
Lightweight foam-cored tile backer boards	60kg/m ²
Glass reinforced cement-based boards	50kg/m ²
Gypsum fibreboards	40kg/m ²
Other rigid tile backer boards	Consult manufacturer

HEALTH & SAFETY

Keep out of reach of children. Avoid contact with skin and eyes - wear gloves and overalls when handling and using this product. Wash splashes from skin immediately with warm soapy water and ensure good ventilation when working in confined areas. If accidentally ingested, do not induce vomiting, give water and seek immediate medical attention.

Contains: 1,2-benzisothiazol-3(2H)-one, 2 methylisothiazol-3(2H)-one, Reaction mass of 5chloro-2-methyl-2H-isothiazol-3-one and 2methyl-2H-isothiazol-3-one (3:1).

May produce an allergic reaction.

Dispose of contents in accordance with local regulations.

TECHNICAL ADVICE

For advice on tile installation products call the Palace Chemicals Technical Helpline on 0151 336 9104.

QUALITY & ENVIRONMENT

All Palace Chemicals products are manufactured under a BSI accredited ISO 9001:2015 Quality Management System, along with an ISO 14001 Environmental Management system continually working to reduce our carbon footprint.

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DISCLAIMER

The information provided by this Technical data sheet is given in good faith and is to the best of our current knowledge true and accurate. Our products are guaranteed against defective materials and manufacture and will be replaced or money refunded if the goods do not comply with our promotional literature. We cannot however accept responsibility arising from the application or use of our products because we have no direct or control over where and how our products are stored and used. All products are sold and guaranteed subject to our terms and conditions of sale, copies of which may be obtained on request.

APPROVED RECEIVING SURFACES

Concrete
Sand / cement render
Tile backer boards
Concrete brick/block

Gypsum finishing plaster / Plasterboard
Tanked where necessary

Existing Tiles
Must be securely fixed & tanked where necessary

CLASSIFICATION

UK CA	C €	UK NI
1289 - 21		
Palace Chemicals Ltd, Speke Hall Industrial Estate, Speke, Liverpool L24 1YA		
DoP - 1-2		
EN 12004 : 2007 + A1 2012 - D2TE Improved dispersion adhesive with reduced slip & extended open time for internal & external tiling		
Release of dangerous substrates		See MSDS
Bond strength:		
- Initial tensile strength		≥ 1.0 N/mm ²
Durability for:		
- Tensile adhesion strength after 30 minutes open time		≥ 0.5 N/mm ²
- Shear adhesion strength after heat ageing		≥ 1.0 N/mm ²
- Shear adhesion strength at elevated temperature		≥ 1.0 N/mm ²
- Shear adhesion strength after water immersion		≥ 0.5 N/mm ²
Special Characteristics:		
- Reduced slip		≤ 0.5mm
Reaction to fire		Class E



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